


fuse



draw

low-loss air core fiber

Fig. 10

Stack bundle of silica and graphite rods or tubes

fuse at high temperature in reducing environment

Reduce temperature, heat in air to remove carbon

Draw at lowest possible temperature

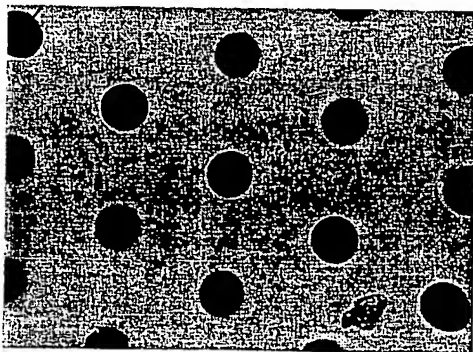
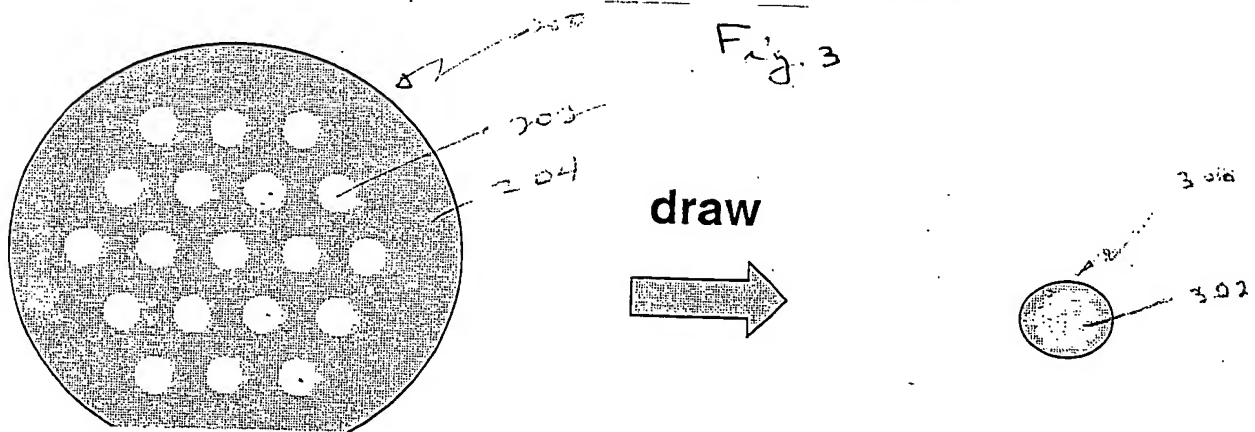
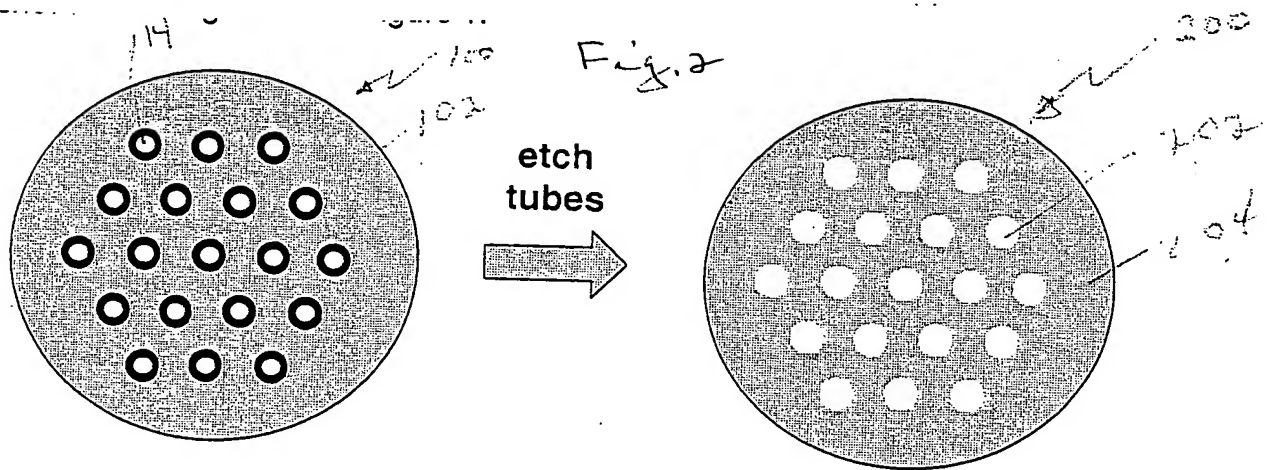
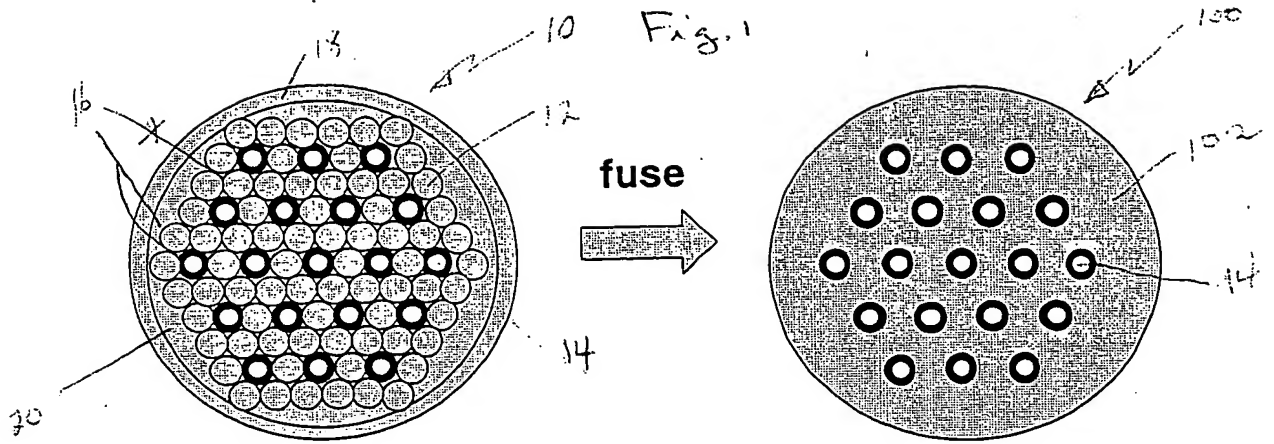
**fuse at high
temperature in
reducing
environment**

**Stack bundle of
silica and graphite
rods or tubes**

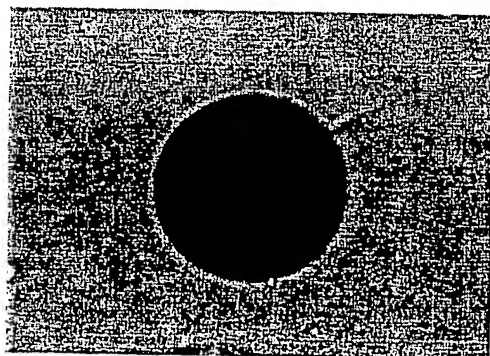
**Reduce temperature,
heat in air to remove
carbon**

Draw at lowest possible temperature

NC 96,039

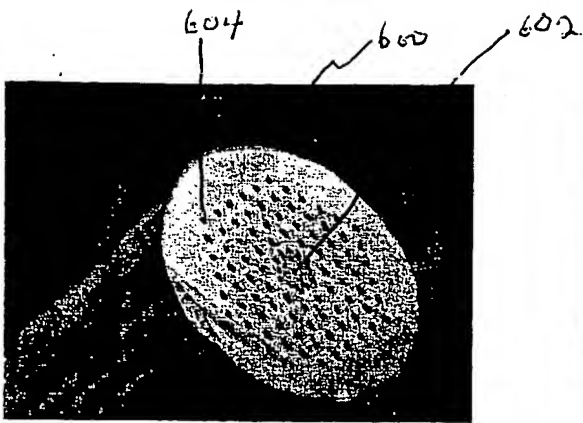


(a) Fig. 4

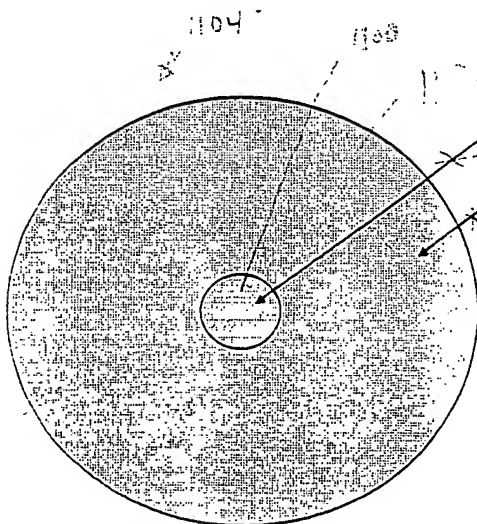
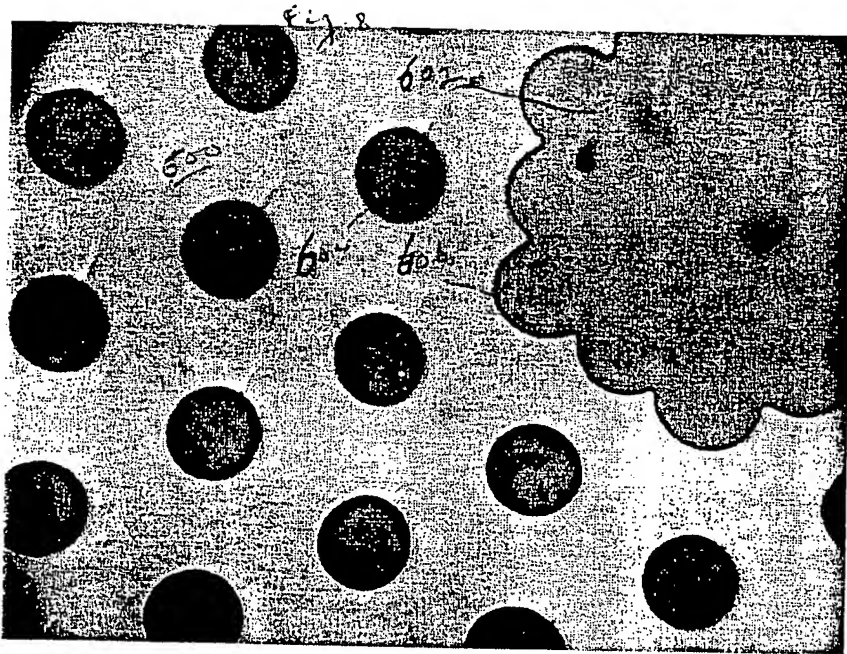
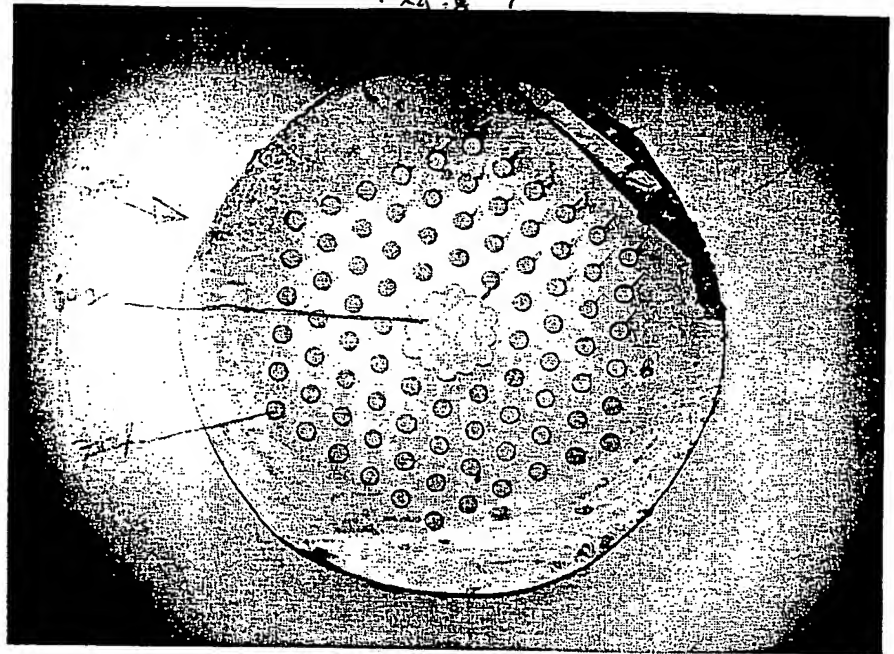


(b) Fig. 5

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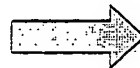


(B) Fig. 6



0120-hole fiber with 30-micron holes

3161-thick-walled tube



fiber has micron-sized
holes, optimized for optical
characterization

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